

033004

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PTO/SB/05 (2/98)

22561 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

|  |  |                |
|--|--|----------------|
| Attorney Docket No.                      | 500644.03  | March 30, 2004 |
| First Inventor or Application Identifier | Brent Keeth et al.   |                |
| Title                                    | METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS MEMORY AS CACHE MEMORY |                |
| Express Mail Label No.                   | EV 419588108 US  |                |

(Only for nonprovisional applications under 37 CFR § 1.53(b))

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:** Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

- Fee Transmittal Sheet (+ copy)  
(Submit an original and a duplicate for fee processing)
- Applicant(s) Claim(s) Small Entity Status
- Specification [Total Pages] **15**  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 USC 113) [Total Sheets] **2**
- Oath or Declaration [Total Pages] **4**
  - Newly executed (original or copy)
  - Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- Application Data Sheet (37 C.F.R. 1.76)

- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - Computer-Readable Form (CRF)
  - Specification Sequence Listing on:
    - CD-ROM or CD-R (2 copies); or
    - paper
  - Statement verifying identity of above copies

### ACCOMPANYING APPLICATION PARTS

- Certification Under 35 U.S.C. 122(b)(2)(B)(i)
- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)
- English Translation Document (if applicable)
- Preliminary Amendment Total Pages **4**
- Return Receipt Postcard
- Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
- Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- Other: Certificate of Express Mail  
Check

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment

Continuation  Divisional  Continuation-In-Part (CIP) of prior Application No.: 09/642,546 Filed August 17, 2000

Prior application information: Examiner Reginald G. Bragdon Group / Art Unit 2188

**Incorporation By Reference** (useable if box 5b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

### CORRESPONDENCE ADDRESS

**Edward W. Bulchis, Esq.**  
Dorsey & Whitney LLP  
1420 Fifth Avenue, Suite 3400  
Seattle, Washington 98101-4010  
(206) 903-8800 phone / (206) 903-8820 fax

Customer No. 27,076

TYPED or PRINTED NAME Edward W. Bulchis REGISTRATION NO. 26,847

SIGNATURE Edward W. Bulchis Date March 30, 2004

# FEE TRANSMITTAL SHEET (FOR FY 2004)

*Complete if Known*

|                      |                       |
|----------------------|-----------------------|
| Express Mail No.     | EV 419588108 US       |
| Filing Date          | Concurrently Herewith |
| First Named Inventor | Brent Keeth et al.    |
| Group Art Unit       | Not Yet Assigned      |
| Examiner             | Not Yet Assigned      |
| Atty. Docket Number  | 500644.03             |

**METHOD OF PAYMENT (Check One)**

**FEE CALCULATION (Continued)**

1.  The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

**3. ADDITIONAL FEES**

2.  Check Enclosed

**FEE CALCULATION**

**1. BASIC FILING FEE**

| Large Entity        |          | Small Entity |          | Fee Description  |
|---------------------|----------|--------------|----------|--|
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) |  |
| 1001                | 770      | 2001         | 385      | <input checked="" type="checkbox"/> Utility Filing Fee |
| 1002                | 340      | 2002         | 170      | <input type="checkbox"/> Design Filing Fee             |
| 1003                | 530      | 2003         | 265      | <input type="checkbox"/> Plant Filing Fee              |
| 1004                | 770      | 2004         | 385      | <input type="checkbox"/> Reissue Filing Fee            |
| 1005                | 160      | 2005         | 80       | <input type="checkbox"/> Provisional Filing Fee        |
| <b>Subtotal (1)</b> |          |              |          | <b>\$770</b>   |

**2. EXTRA CLAIM FEES**

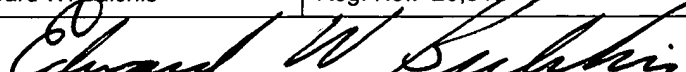
| Current Claims            | Prior | Extra | Fee           | Fee Paid    |
|---------------------------|-------|-------|---------------|-------------|
| Total                     | 1     | 20    | = 0 x \$ 18 = | \$ 0        |
| Ind.                      | 1     | 3     | = 0 x \$ 86 = | \$ 0        |
| Multiple Dependent Claims |       |       |               | x \$ = \$   |
| <b>Subtotal (2)</b>       |       |       |               | <b>\$ 0</b> |

| Large Entity |          | Small Entity |          | Fee Description   |
|--------------|----------|--------------|----------|---|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |   |
| 1202         | 18       | 2202         | 9        | Claims in excess of 20                                  |
| 1201         | 86       | 2201         | 43       | Independent claims in excess of 3                       |
| 1203         | 290      | 2203         | 145      | Multiple dependent Claim                                |
| 1204         | 86       | 2204         | 43       | Reissue independent claims over original patent         |
| 1205         | 18       | 2205         | 9        | Reissue claims in excess of 20 and over original patent |

| Large Entity        |          | Small Entity |          | Fee Description  | Fee paid   |
|---------------------|----------|--------------|----------|--|------------|
| Fee Code            | Fee (\$) | Fee Code     | Fee (\$) |  |            |
| 1051                | 130      | 2051         | 65       | Surcharge - Late filing fee or oath  | \$         |
| 1052                | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     | \$         |
| 1053                | 130      | 1053         | 130      | Non-English specification  | \$         |
| 1812                | 2,520    | 1812         | 2,520    | For Filing a Request for <i>ex parte</i> Reexamination                     | \$         |
| 1804                | 920      | 1804         | 920      | Requesting publication of SIR prior to Examiner action                     | \$         |
| 1805                | 1,840    | 1805         | 1,840    | Requesting publication of SIR after Examiner action                        | \$         |
| 1251                | 110      | 2251         | 55       | Extension for reply within first month                                     | \$         |
| 1252                | 420      | 2252         | 210      | Extension for reply within 2 <sup>nd</sup> month                           | \$         |
| 1253                | 950      | 2253         | 475      | Extension for reply within 3 <sup>rd</sup> month                           | \$         |
| 1254                | 1,480    | 2254         | 740      | Extension for reply within 4 <sup>th</sup> month                           | \$         |
| 1255                | 2,010    | 2255         | 1,005    | Extension for reply within 5 <sup>th</sup> month                           | \$         |
| 1401                | 330      | 2401         | 165      | Notice of Appeal   | \$         |
| 1402                | 330      | 2402         | 165      | Filing a brief in support of an appeal                                     | \$         |
| 1403                | 290      | 2403         | 145      | Request for oral hearing   | \$         |
| 1814                | 110      | 2814         | 55       | Terminal Disclaimer Fee  | \$         |
| 1452                | 110      | 2452         | 55       | Petition to revive - unavoidable   | \$         |
| 1453                | 1,330    | 2453         | 665      | Petition to revive - unintentional   | \$         |
| 1501                | 1,330    | 2501         | 665      | Utility/Reissue issue fee  | \$         |
| 1502                | 480      | 2502         | 240      | Design issue fee   | \$         |
| 1503                | 640      | 2503         | 320      | Plant issue fee  | \$         |
| 1460                | 130      | 1460         | 130      | Petitions to the Commissioner  | \$         |
| 1807                | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)  | \$         |
| 1806                | 180      | 1806         | 180      | Submission of IDS  | \$         |
| 8021                | 40       | 8021         | 40       | Recording each patent assignment per property (times number of properties) | \$         |
| 1801                | 770      | 2801         | 385      | Request for Continued Examination (RCE)                                    | \$         |
| Other fee (specify) |          |              |          |  | \$         |
| <b>Subtotal (3)</b> |          |              |          |  | <b>\$0</b> |

**Total Amount of Payment: \$770**

**Submitted by:**

|  |                             |                           |
|--|-----------------------------|---------------------------|
| Name: Edward W. Bulchis  | Reg. No.: 26,847            | Telephone: (206) 903-8800 |
| Signature:  | Date: <u>March 30, 2004</u> |                           |

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Brent Keeth et al. Attorney Docket No.: 500644.03  
Filed : Concurrently herewith  
Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS  
MEMORY AS CACHE MEMORY

**GENERAL AUTHORIZATION**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date

March 30, 2004



Edward W. Bulchis  
Registration No. 26,847

EWB:dms

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Fax (206) 903-8820

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Brent Keeth et al. Attorney Docket No.: 500644.03  
Filed : March 30, 2004  
Title : METHOD AND SYSTEM FOR USING DYNAMIC RANDOM ACCESS  
MEMORY AS CACHE MEMORY

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

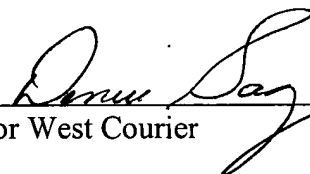
MAIL STOP PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EV 419588108 US, on March 30, 2004, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,  
DORSEY & WHITNEY LLP

  
/ for West Courier

EWB:dms

Enclosures:

Postcard  
Check  
PTO/SB/05 Utility Patent Application Transmittal  
Application Data Sheet  
Fee Transmittal Sheet (+ copy)  
General Authorization  
Preliminary Amendment  
Specification, Claims, Abstract (15 pages)  
2 Sheets of Drawings (Figures 1-3)  
Copy of Substitute Declaration  
Copy of Election and Power of Attorney  
Information Disclosure Statement  
Form PTO-1449